

**Notice of Allowability**

Application No.

09/700,272

Examiner

Daniel Swerdlow

Applicant(s)

HURME ET AL.

Art Unit

2615

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 29 June 2006.
2. ☐ The allowed claim(s) is/are 1-17.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
- ☒ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other _____   |

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Roland E. Long, Jr., reg. no. 41,949 on 9 September 2006.

The application has been amended as follows:

In the claims, claim 9 is amended as follows:

9. (currently amended) A method for simulating an analogue telephone apparatus in a twin cable connected to a data transfer device, characterized in that

- the loop current fed into the twin cable from its other end is amplified by means of a current amplifier arrangement, and
- said current amplifier arrangement is controlled by means of a first current switching device and a second current switching device and an electrical potential of said current amplifier arrangement is made to float in respect of a supply voltage ~~of~~ by a control current in the first current switching device through an impedance of a current path in said first current switching device and by a control current in the second current switching device through an impedance of a current path in said second current switching device ~~make~~.

### REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance:

3. Regarding Claim 1, US Patent 5,125,027 to Blaszykowski et al. discloses a central office line interface circuit (Figs. 1, 2A) that corresponds to the electric device claimed and connects a local central office that corresponds to the analog data transfer device claimed (column 4, lines 36-38) by means of a multiplexer (Fig. 1, reference 12; column 3, lines 8-16) that corresponds to the control unit claimed to a logic interface (Fig. 1, reference 0; column 3, lines 8-16) that corresponds to the digital transfer device claimed and connects to a terminal (Fig. 1, reference 11; column 3, lines 5-8) that corresponds to the data transfer device claimed with telephone lines (Fig. 1, reference 2; column 2, lines 38-44) that correspond to the twin cable claimed comprising: a current amplifier arrangement (Fig. 2A, reference 20; column 5, line 67-column 6, line 53) that increases current to seize the line (i.e., loops current fed into the cable from its other end) (column 6, lines 1-4, 30-33); an optocoupler (Fig. 2A, reference 70; column 6, lines 1-4) that, with associated components, corresponds to the first current switching device claimed; and an optocoupler (Fig. 2A, reference 74; column 6, lines 30-33) that, with associated components, corresponds to the second current switching device claimed. However, Blaszykowski does not disclose an impedance of a flowing path of the first control current in said first current switching device and an impedance of a flowing path of the second control current in said second current switching device making an electrical potential of said current amplifier arrangement to float in respect of a supply voltage of the electric device. Because the prior art fails to disclose or suggest all elements of the claimed invention, Claim 1 is allowable.

4. Claims 2 through 8 are allowable due to dependence from Claim 1.

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5. Claim 9 is essentially similar to Claim 1 and is allowable for the same reasons.
6. Claim 10 is allowable due to dependence from Claim 9.
7. Claim 11 incorporates matter indicated as allowable in the prior Office action with respect to Claim 2. As such, Claim 11 is allowable for the reasons stated in the prior Office action.
8. Claims 12 through 17 are allowable due to dependence from Claim 11.

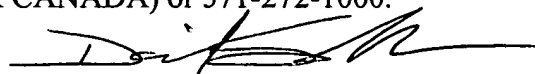
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel Swerdlow whose telephone number is 571-272-7531. The examiner can normally be reached on Monday through Friday between 7:30 AM and 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh H. Tran can be reached on 571-272-7564. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Daniel Swerdlow  
Primary Examiner  
Art Unit 2615

ds  
12 September 2006